

INVITATION TO BID		CITY OF BATON ROUGE PARISH OF EAST BATON ROUGE PURCHASING DIVISION		RESPONSES MUST BE RECEIVED BY: 8/6/2021 11:00 AM CST	
TITLE: 2021 or NEWER COMBINATION SEWER CLEANER WITH HYDRO DRIVEN VACUUM ON A HEAVY DUTY TRUCK APPROVED EQUAL			RETURN BID TO: PURCHASING DIVISION		
FILE NO: 9002-21 REQ NO: RQ-9002 AD DATES: 7/22 & 7/30			<u>Mailing Address:</u> PO Box 1471 Baton Rouge, LA 70821		<u>Physical Address:</u> 222 St. Louis Street 8 th Floor Room 826 Baton Rouge, LA 70802
SHIP TO ADDRESS: City of Baton Rouge Public Works Central Garage 333 Chippewa Street Baton Rouge, LA 70805			Contact Regarding Inquiries: Purchasing Analyst Arvin F. Jones Telephone Number: 225-389-3259 x 3267 Email: afjones@brla.gov		
VENDOR NAME			MAILING ADDRESS		
REMIT TO ADDRESS			CITY, STATE, ZIP		
TELEPHONE NO.		FAX NO.		E-MAIL	
FEDERAL TAX ID OR SOCIAL SECURITY NUMBER			TITLE		
AUTHORIZED SIGNATURE			PRINTED NAME		
QUESTIONS TO BE COMPLETED BY VENDOR: 1. _____ STATE DELIVERY DAYS MAXIMUM AFTER RECEIPT OF ORDER 2. _____ % discount for payment made within 30 days. Discount for payment made in less than 30 days, or less than 1%, or applicable to an indefinite quantity contract will be accepted but not an award consideration. 3. _____ STATE ENUMERATED ADDENDA RECEIVED (IF ANY)					

F.O.B.: DESTINATION - PAYMENT TERMS: NET 30

ALL BLANKS ON THIS PAGE SHOULD BE COMPLETED TO AVOID REJECTION OF BID

The signature on this document certifies that proposer has carefully examined the instructions to bidders, terms and specifications applicable to, and made a part of this solicitation. By submission of this document, proposer further certifies that the prices shown are in full compliance with the conditions, terms and specifications of this solicitation.

No alterations, changes or additions are allowed on this solicitation, and no additional information, clarifications or other documents are to be included unless specifically required by the specification. Any errors in extensions of prices will be resolved in favor of unit prices submitted.

If services are to be performed in East Baton Rouge City-Parish, evidence of a current occupational license and/or permit issued by the City-Parish shall be supplied by the successful vendor, if applicable.

INSTRUCTIONS TO BIDDERS / TERMS & CONDITIONS - SEALED BIDS

Bidders are urged to promptly review the requirements of this specification and submit questions for resolution as early as possible during the bid period. Questions or concerns must be submitted in writing to the purchasing division during the bid period. Otherwise, this will be construed as acceptance by the bidders that the intent of the specifications is clear and that competitive bids may be obtained as specified herein. Protests with regard to the specification documents will not be considered after bids are opened.

1. Read the entire bid, including all terms and conditions and specifications.
2. Bids are mailed only as a courtesy. The City - Parish does not assume responsibility for failure of bidders to receive bids. Bidders should rely only on advertisements in the local newspaper, and should personally pick up bids and specifications. Full information may be obtained, or any questions answered, by contacting the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802 or by calling (225) 389-3259. The City will not accept fax proposals or proposals sent via e-mail. All faxed or e-mailed proposals shall be rejected and returned.
3. The bid number, bidder's name, address and bid opening date should be clearly printed or typed on the outside of the bid envelope. Only one bid will be accepted from each bidder for the same job. Alternates will not be accepted unless specifically requested in the proposal. Submission of more than one bid or alternates not requested may be grounds for rejection of all bids by the bidder.
4. The method of delivery of bids is the responsibility of the bidder. All bids must be received by the Purchasing Division on or before the specified bid opening date and time. Late bids will not be considered under any circumstances.
5. Failure to deliver within the time specified in the bid will constitute a default and may cause cancellation of the contract. Where the city has determined the contractor to be in default, the city reserves right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.
6. The City Parish specifically reserves the right to evaluate bids and award items separately, grouped or on an all or none basis, to accept the bid which is in the best interest of the City parish, and to reject all proposals if that is in the best interest of the City Parish.
7. Except for bids submitted through the www.bidexpress.com on-line bidding site, bids shall be accepted only on bid forms furnished by the City of Baton Rouge and Parish of East Baton Rouge Purchasing Division. Altered or incomplete bids (including non-acknowledgement of addenda issued, if any), or the use of substitute forms or documents, shall render the bid non-responsive and subject to rejection.
8. All bids must be typed or written in ink. Any erasures, strikeover and/or changes to prices should be initialed by the bidder. Failure to initial may be cause for rejection of the bid as non-responsive.
9. All bids must be manually signed by a properly authorized party. Failure to do so shall cause the bid to be rejected as non-responsive.
10. Where one or more vendor's exact products or typical workmanship is designated as the level of quality desired or equivalent, the Purchasing Division reserves the right to determine the acceptability of any equivalent offered.
11. Detailed factory specifications, illustrative literature and any deviations should be submitted with bid as required by the specifications or on the bid form. Representative samples shall be submitted upon request, if appropriate. Bidders proposing an equivalent brand or model should submit with the bid information (such as illustrations, descriptive literature, and technical data) sufficient for the City to evaluate quality, suitability, and compliance with the specifications in the solicitation.
12. Written addenda issued prior to bid opening which modifies the bid shall become a part of the bid, and shall be incorporated within the purchase order and/or contract. Only a written interpretation or correction by Addendum shall be binding. Bidders shall not rely upon any interpretation or correction given by any other method. Failure to acknowledge receipt of addenda (if any) shall render the bid non-responsive and subject to rejection.

13. For Printing solicitations, artwork, dies and/or molds shall become the property of the City - Parish Government and must be returned to the Purchasing Division, 222 Saint Louis Street, 8th Floor, Room 826, Baton Rouge, LA 70802, upon completion of the order.
14. All applicable chemicals, herbicides, pesticides and hazardous materials must be registered for sale in Louisiana by the Department of Agriculture, State of Louisiana, registered with the EPA and must meet all requirements of Louisiana State Laws. Bidders must submit product label, material safety data sheet and EPA registry number with bid. This information will be required on any subsequent deliveries if there is a change in chemical content or a different product is being supplied. Failure to submit this data may be cause for the bid to be rejected or the contract canceled.
15. Delivery of items must be made on time to City - Parish final destinations within East Baton Rouge Parish. All freight charges shall be prepaid by vendor. Late deliveries or unsatisfactory performance may be cause to cancel the Purchase Order or contract.
16. The State of Louisiana Code of Governmental Ethics places restrictions on awarding contracts or purchase orders to persons who are employed by any agency of the City - Parish Government, or any business of which he or his spouse has more than a twenty-five percent (25%) interest. The Code also prescribes other restrictions against conflict of interest and establishes guidelines to assure that appropriate ethical standards are followed. If any question exists regarding potential violation of the Code of Ethics, bidders should contact the Purchasing Division prior to submission of the bid. Any violation of the Code of Ethics shall be grounds for disqualification of bid or cancellation of contract.
17. All Prices bid shall remain in effect for a period of at least sixty (60) days. City - Parish purchases are excluded from state and local taxes.
18. Acceptance of award by vendor, either in writing or by shipment of any article described herein, shall effectuate a contract between City - Parish and vendor for the materials described herein, and no additional conditions or amendments shall have any effect unless approved in writing by City - Parish.
19. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Information pertaining to completed files may be secured by visiting the EBR City Parish Purchasing office during normal working hours.
20. The City - Parish is an equal opportunity employer, and does not discriminate against anyone on the basis of race, sex, creed, color, religion, national origin, ancestry, reprisal, disability, sexual orientation, marital status or political affiliation.
21. In accordance with Louisiana Revised Statutes, a preference may be allowed for equivalent products produced, manufactured or grown in Louisiana and/or firms doing business in the State of Louisiana. Do you claim this preference if allowed? YES ____ NO _____. If this preference is claimed, attach substantiating information to the proposal to show the basis for the claim.
22. Right To Audit Clause: The Contractor shall permit the authorized representative of the City-Parish to periodically inspect and audit all data and records of the Contractor relating to his performance under this contract.
23. Terms and Conditions: This solicitation contains all terms and conditions with respect to the purchase of the goods and/or services specified herein. Submittal of any contrary terms and conditions may cause your bid to be rejected. By signing and submitting a bid, vendor agrees that contrary terms and conditions which may be included in their bid are nullified; and agrees that this contract shall be construed in accordance with this solicitation and governed by the laws of the State of Louisiana as required by Louisiana Law.
24. In accordance with the provisions of LA. R.S. 38:2212.9, in awarding contracts after August 15, 2010, any public entity is authorized to reject the lowest bid from, or not award the contract to, a business in which any individual with an ownership interest of five percent or more has been convicted of, or has entered a plea of guilty or **Nolo Contendere** to any state felony crime or equivalent federal felony crime committed in the solicitation or execution of a contract or bid awarded under the laws governing public contracts under the provisions of Chapter 10 of this Title, professional, personal, consulting, and social services procurement under the provisions of Chapter 16 of Title 39 of the Louisiana Revised Statutes of 1950, or the Louisiana Procurement Code under the provisions of Chapter 17 of Title 39 of the Louisiana Revised Statutes of 1950.

25. Certification of no suspension or debarment. By signing and submitting any bid for \$25,000 or more, the bidder certifies that their company, any subcontractors, or principals are not suspended or debarred by the general services administration (GSA) in "Audit Requirements In subpart F of the Office of Management and Budget's uniform administrative requirements, cost principles, and audit requirements for federal awards" (Formerly OMB circular a-133).

A list of parties who have been suspended or debarred can be viewed via the internet at <http://www.sam.gov>.

26. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids containing "Payment in Advance" or "C.O.D. requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
27. Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting the Purchasing Division during normal working hours. Written bid tabulations may be accessed at: <http://city.brla.gov/dept/purchase/bidresults.asp>.

28. Bidders or their authorized representatives are invited via teleconference with the information below on the date and time of this bid opening joining by phone +1-408-418-9388 United States Toll Access code: 263 373 080 (followed by the # button).

29. Alternate numbers to call if number above is not available, which may occur due to network traffic (use the same Access Code, followed by the # button):

30. United States Toll (Boston) +1-617-315-0704

31. United States Toll (Chicago) +1-312-535-8110

32. United States Toll (Dallas) +1-469-210-7159

33. United States Toll (Denver) +1-720-650-7664

34. United States Toll (Jacksonville) +1-904-900-2303

35. United States Toll (Los Angeles) +1-213-306-3065

36. This teleconference number will provide you with live audio access to this bid opening. The link will be live at the noted bid opening time for the date of bid opening

37. Contractor agrees, upon receipt of written notice of a claim of a claim or action, to defend the claim or action, or take other appropriate measure, to indemnify, and hold harmless, the city, its agents and employees from and against all claims and actions for bodily injury, death or property damages caused by fault of the contractor, its officers, its agents, or its employees. Contractor is obligated to indemnify only to the extent of the fault of the contractor, its officers, its agents, or its employees, however the contractor shall have no obligation as set forth with respect to any claim or action from bodily injury, death or property damages arising out of the fault of the City, its officers, its agents, or its employees.

38. In accordance with Louisiana Law (R.S. 12:262.1 and 12:1308.2), all corporations and limited liability companies must be in good standing with the Louisiana Secretary of State at the time of execution of the contract.

39. Vendors submitting signed bids agree to EEOC compliance and certify that they agree to adhere to the mandates dictated by Title VI and VII of the Civil Right Act of 1964, as amended by the Equal Opportunity Act of 1972, Federal Executive Order 11246, the Federal Rehabilitation Act of 1973, as amended, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, Title IX of the Education Amendments of 1972, the Age Act of 1975, and agrees to abide by the requirements of the Americans with Disabilities Act of 1990.

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees.

40. The City of Baton Rouge, Parish of East Baton Rouge launched a new Enterprise Resource Planning (ERP) system, Vendor Self Service (VSS) via Munis. VSS replaced the legacy vendor database and will be used by all departments and agencies citywide.

Vendor Self-Service (VSS) enables vendors to register and maintain information about their organization for the purpose of doing business with City-Parish and receive notifications of business opportunities. The City-Parish procurement activities are subject to the State of Louisiana Public Bid Law, local city-parish ordinances as well as applicable federal statutes as directed by grant providers. Vendors must be registered to receive bid notifications.

New vendors or existing vendors who need to create a VSS account can do so clicking the Registration link at <http://brla.gov/vss>. Vendors are encouraged to review the step by step <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDF> before beginning the registration process which may be assessed at <https://www.brla.gov/DocumentCenter/View/4899/Vendor-Self-Service-Registration-Guide-PDFide>.

Additional information regarding how to do business with EBR City-Parish is available at: <https://www.brla.gov/DocumentCenter/View/678>.

We also post our scheduled bid openings, as well as unofficial bid tabulations after the bids have opened at <http://city.brla.gov/dept/purchase/bids.asp>.

Note: Commodity codes are required for setting up your profile. These numbers tell us what commodities and services that you can provide. When agencies request products or services, our buyers pull directly from these numbers to send out solicitations, bids, and quotes. The first 3 numbers are the class numbers; the subclasses are two digit numbers that better describe the commodity or service. For questions regarding commodity codes, please contact purchasing at (225) 389-3259 Ext 0.

Important! - A W-9 Form is required in order to do business with City-Parish. Part of the online enrollment process requires you to upload a completed W-9 form. Please have the completed form in an electronic format so that you can submit it as part of the registration process. The W-9 form can be downloaded from the IRS website. We have created step by step directions on how to properly complete the W-9 Form.

FEDERAL CLAUSES, IF APPLICABLE.

I. Remedies for Breach

Bidder acknowledges that contracts in excess of the simplified purchase threshold (\$150,000.00) shall contain provisions allowing for administrative, contractual, or legal remedies for contractor breaches of the contract terms, and shall provide for such remedial actions as appropriate.

II. Termination and Settlement

Bidder acknowledges that contracts in excess of \$10,000.00 shall contain termination provisions including the manner in which termination shall be effected and the basis for settlement. In addition, such provisions shall describe conditions for termination due to fault and for termination due to circumstances outside of the contractors' control.

III. Access to Records

Bidder acknowledges that all contracts (except those for less than the small purchase threshold) shall include provisions authorizing the recipient, US Funding Agency, the Comptroller General, or any of their duly authorized representatives access to all books, documents, papers, and records of the contractor which are directly pertinent to a specific program for the purpose of making audits, examinations, excerpts, and transcriptions.

IV. Equal Employment Opportunity

Bidder acknowledges that all contracts shall contain provisions requiring compliance with

E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11236 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Dept. of Labor.

V. Copeland "Anti-Kickback" Act

Bidder acknowledges that all construction/repair contracts and sub-grants in excess of \$2,000 shall include provisions requiring compliance with the Copeland "Anti-kickback" Act (18 U.S.C. §3141-3148), which provides that each contractor or sub-recipient shall be prohibited from inducing any person employed in the construction, completion, or repair of public work, to give up any part of the entitled.

VI. Davis-Bacon Act

Bidder acknowledges that all construction contracts in excess of \$2,000 shall include a provision for compliance with the Davis-Bacon Act, which requires contractors to pay laborers and mechanics wages at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. Additionally, contractors shall be required to pay wages not less than once a week.

VII. Contract Work Hours and Safety Standards Act

Bidder acknowledges that all construction contracts in excess of \$2,000, and all other contracts involving the employment of mechanics or laborers in excess of \$2,500 shall include provisions for compliance with sections 102 and 107 of the Contract Work Hours and Safety Standards Act, which requires each contractor to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours. Section 107 is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous.

VIII. Rights to Inventions Made Under a Contract or Agreement

Bidder acknowledges that contracts for the performance of experimental, developmental, or research work shall include provisions providing for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and the Small Business Firms Under Governments Grants, Contracts, and Cooperative Agreements"

IX. Clean Air Act

Bidder acknowledges that the Clean Air Act (CAA) is the comprehensive federal law regulating air emissions from stationary and mobile sources. Among other things, this law authorizes EPA to establish National Ambient Air Quality Standards (NAAQS) to protect public health and public welfare and to regulate emissions of hazardous air pollutants

X. Clean Water Act.

The contractor hereby agrees to adhere to the provisions which require compliance with all applicable Standards, orders, or requirements issued under section 508 of the clean water act which prohibits the use under non-exempt Federal contracts, grants or loans of facilities included on the EPA list of violating facilities

XI. Energy policy and conservation act

The contractor hereby recognizes the mandatory standards and policies relating to energy Efficiency which is contained in the state energy conservation plan issued in compliance with the energy policy and Conservation act (P.L. 94-163).

Bidders must agree to keep informed of and comply with all federal, state and local laws, ordinances and regulations which affect their employees or prospective employees.

DEALER LICENSE REQUIREMENTS

Any vendor wishing to bid on vehicles for City of Baton Rouge/Parish of East Baton Rouge must be in compliance with Chapter 6, Distribution and Sales of Motor Vehicles, LA State Statute R.S. 32:1251, which stipulates any motor vehicle manufacturer, distributor, dealer and lessor doing business in Louisiana must be licensed in Louisiana.

All bidders shall include a copy of their valid dealer's license, issued under the provisions of R.S. 32:1254, with any bid submitted. Per R.S. 38:2218.8, public entities are prohibited from accepting bids from or entering into any contract or cooperative endeavor agreement or any other transaction for the procurement of vehicles with a dealer who does not possess a valid dealer's license issued pursuant to R.S. 32:1254. A public entity shall reject any bid submitted by a dealer for the purchase of vehicles which does not include a copy of a valid dealer license.

RS 38:2212.8 Prohibition of bids from or contracts with unlicensed dealers

A. A public entity shall not accept any bid from or enter into any contract or cooperative endeavor agreement, or any other transaction for the procurement of vehicles, with a dealer who does not possess a valid dealer's license issued under the provisions of R.S. 32:1254.

B. A public entity shall require that any bid submitted by, or a contract or cooperative endeavor agreement with, a dealer for the purchase of vehicles shall include a copy of a valid dealer's license issued under the provisions of R.S. 32:1254.

C. A public entity shall reject any bid submitted by a dealer for the purchase of vehicles which does not include a copy of a valid dealer license.

D. A public entity shall not sign a contract or cooperative endeavor agreement with a dealer for the purchase of vehicles which does not include a copy of a valid dealer license.

E. If in the course of an audit or review by the legislative auditor, pursuant to the powers and duties in R.S. 24:513, a violation of this Section is found, the legislative auditor shall report such findings to the E. If in the course of an audit or review by the legislative auditor, pursuant to the powers and duties in R.S. 24:513, a violation of this Section is found, the legislative auditor shall report such findings to the Louisiana Motor Vehicle Commission. Acts 2010, No. 376, §1.

INQUIRY PERIOD

An inquiry period is hereby firmly set for all interested bidders to perform a detailed review of the bid documents and to submit any **written questions** relative thereto. *Without exception*, all questions **MUST** be in writing.

The City-Parish shall not and cannot permit an open-ended inquiry period, as this creates an unwarranted delay in the procurement cycle and operations of our departments. The City-Parish reasonably expects and requires *responsible and interested* bidders to conduct their in-depth review of the bid document and submit inquiries in a timely manner.

All inquiries shall be received by 5:00p.m. on **July 30, 2021**. **INQUIRIES AND/OR QUESTIONS SHALL NOT BE ENTERTAINED THEREAFTER.**

Inquiries are to be directed as follows:

Arvin F. Jones, Purchasing Analyst II
City-Parish Purchasing Department
222 St. Louis Street, Room 826 (Hand Delivery)
Baton Rouge, LA 70802
or
P.O.Box 1471
Baton Rouge, LA 70821
or
Email: afjones@brla.gov
or Fax (225) 389-4841

**CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION**

Pricing Sheet

The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications.

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
0001	<p>2021 OR NEWER COMBINATION SINGLE ENGINE SEWER CLEANER WITH HYDROSTATIC DRIVEN VACUUM SYSTEM MOUNTED ON A HEAVY DUTY TRUCK CHASSIS.</p> <p>2021 OR NEWER COMBINATION SINGLE ENGINE SEWER CLEANER WITH HYDROSTATIC DRIVEN VACUUM VACTOR 2100i OR APPROVED EQUAL MOUNTED ON A WESTERN STAR 4700 SB TRUCK OR EQUAL COMBINATION IN ACCORDANCE WITH THE ATTACHED SPECIFICATIONS.</p> <p>STATE MAKE AND MODEL NUMBER</p> <p>_____</p>	1	EACH	\$ _____	\$ _____

Picture only denotes the general style, type, character and quality standard approved equal.



**CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE
PURCHASING DIVISION**

Specifications:

GENERAL: The intent of this invitation to bid is to establish prices for a Combination Sewer Cleaning Vacuum Truck for the City of Baton Rouge Department of Public Works. The evaluation of the services offered and the determination of the lowest responsive and responsible bidder will be the sole responsibility of the Purchasing Division after consultation with the using agency. The brand and model used in this specification is used only to denote the general style, type, character and quality standard of the supplies requested. Please note the brand and model that you are bidding in the designated spaces provided. If bidding other than specified, sufficient information should be enclosed with the bid to in order to determine quality, suitability, compatibility and compliance with the specifications with all other data on the equipment proposed as required in this specifications. If requested, information shall be submitted within 7 days.

COMBINATION UNIT SPECIFICATIONS:

The intent of this specification is to provide for the purchase of one (1) new and unused single-engine combination sewer and catch basin cleaner used for removing all debris commonly found in catch basins/storm lead structures and sanitary sewer lines/manhole structures using a front mounted operating station. The unit shall consist of a Positive Displacement (PD) Blower vacuum system, a hydraulically driven high pressure water pump, an enclosed sealed body for storage of collected debris and equipped with a self-contained water supply as the source for the water pump system. The unit shall have the capability of operating both vacuum and water system simultaneously at full operating speeds continuously. (Submit horsepower requirements of all systems on unit)

This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality, performance and overall cost of ownership against which all equipment bid will be compared. In comparing proposals, consideration will be given to life cycle cost guarantees whereby bidder shall provide all pertinent information to evaluate long-term cost. Contract will be awarded for the product which best serves the interests of considering long-term maintenance cost parts availability, product support and service costs. City of Baton Rouge reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. Award shall be to the bidder showing most favorable life cycle costing while meeting the requirements of these specifications.

The unit shall be new of current manufacture (2021 or newer Chassis). No prototype, demo or used will be accepted.

All parts not specifically mentioned which are necessary to provide a complete vacuum truck shall be included in the bid and shall conform in strength, quality of materials, and workmanship to what is normally provided to the trade in general.

These specifications represent standard requirements for City Parish vehicles. Bids are evaluated based on the totality of "Yes" responses. "Yes" response(s) provided by bidders that are found to be incorrect during bid evaluation may result in a determination of bid non-responsiveness.

EQUIVALENT PRODUCT:

Bids will be accepted for consideration on any make or model that is equal or superior to the equipment specified. Decisions of equivalency will be at the sole interpretation of the Purchasing and Public Services Director.

Bidder shall demonstrate a reasonable likeness of the equipment being offered within a reasonable time of request. Equipment demonstrated shall be equipped with all accessories and components required in this specification to ascertain equivalence.

A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.

BIDDER REFERENCES:

To ensure adequate local availability of parts and competent service from experienced suppliers, we would like for a certified service center to respond to our facility within a 72 hours of notification to access equipment and to begin the repair process. Vendor should include location and contact with phone numbers.

Contact: _____

Phone #: _____

Location: _____

SERVICE AND SUPPORT:

Location of warranty service center should be noted which may be verified and inspected.

Bidder shall fully explain every variance, exception, and or deviation to the bid specifications. Additional sheets/lines may be added if required.

**CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE**

Specifications:

GENERAL: The intent of this proposal is to establish prices for a 2021 or Newer COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB W/VACTOR 2100i or Approved equal. These specifications represent standard requirements for City Parish vehicles. Bids are evaluated based on the totality of “Yes” responses. “Yes” response(s) provided by bidders that are found to be incorrect during bid evaluation may result in a determination of bid non-responsiveness.

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700 SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.		Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
		YES	NO	
0001	Vehicle Configuration:			
4700 SET-BACK FRONT AXLE CHASSIS Weight Front: 9,215				
4700 SET-BACK FRONT AXLE CHASSIS Weight Rear: 6,480				
2021 MODEL YEAR SPECIFIED				
SET BACK AXLE - TRUCK				
STRAIGHT TRUCK PROVISION				
LH PRIMARY STEERING LOCATION				
General Service: TRUCK CONFIGURATION				
DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES				
UTILITY/REPAIR/MAINTENANCE SERVICE				
GOVERNMENT BUSINESS SEGMENT				
LIQUID BULK COMMODITY				
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS				
MAXIMUM 8% EXPECTED GRADE				
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE				
VOCATIONAL WARRANTY				
EXPECTED FRONT AXLE(S) LOAD : 20000.0 lbs				
EXPECTED REAR DRIVE AXLE(S) LOAD : 46000.0 lbs				
EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 66000.0 lbs				
Truck Service				
SEWER/INDUSTRIAL VACUUM BODY				
Electronic Parameters				
70 MPH ROAD SPEED LIMIT				
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT				
PTO MODE ENGINE RPM LIMIT - 1100 RPM				

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Electronic Parameters			
PTO MODE BRAKE OVERRIDE – SERVICE-BRAKE APPLIED			
PTO RPM WITH CRUISE SET SWITCH - 700 RPM			
PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM			
PTO MODE CANCEL VEHICLE SPEED - 5 MPH			
PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			
NO FLEET SPEC FOR PARME TERIZATION			
PTO MINIMUM RPM - 700			
REGEN INHIBIT SPEED THRESHOLD - 5 MPH			
Engine Equipment			
2016-2019 ONBOARD DIAGNOSTICS/2010-EPA/CARB/FINAL GHG17 CONFIGURATION			
VEHICLE IS SUBJECT TO EPA GHG14/GHG17, D OES NOT HAVE REGULATORY VEHICLE SPEED LIMITER (VSL) OR AUTOMATIC ENGINE SHUTDOWN(AES			
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)			
STANDARD OIL PAN			
ENGINE MOUNTED OIL CHECK AND FILL			
SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED OR APPROVED EQUAL			
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			
(3) DTNA GENUINE, FLOODED STARTING, MIN 2250CCA, 510RC, THREADED STUD BATTERIES			
BATTERY BOX FRAME MOUNTED			
LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB			
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			
NON-POLISHED BATTERY BOX COVER			
LOW VOLTAGE BATTERY DISCONNECT AT 12.3 VOLTS FOR ISOLATED CIRCUITS WITH LOCAL ALARM			
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE OR APPROVED EQUAL			
AIR COMPRESSOR DISCHARGE LINE			
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Comply Meet Specifications
	YES	NO	
Engine Equipment			
CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF			
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE			
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH			
10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			
13 GALLON DIESEL EXHAUST FLUID TANK			
100 PERCENT DIESEL EXHAUST FLUID FILL			
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD			
HORTON 2-SPEED DRIVEMASTER ADVANTAGE POLAREXTREME FAN DRIVE			
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED			
CUMMINS SPIN ON FUEL FILTER OR APPROVED COMBINATION FULL FLOW/BYPASS OIL FILTER			
FLEETGUARD PLAIN COOLANT FILTER			
1300 SQUARE INCH ALUMINUM RADIATOR			
MOUNTING FOR FIREWALL MOUNTED SURGE TANK			
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT			
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT OR APPROVED EQUAL			
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			
RADIATOR DRAIN VALVE			
LOWER RADIATOR GUARD			
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER			
NO OIL PREHEATER			
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Engine Equipment			
ALUMINUM FLYWHEEL HOUSING			
ELECTRIC GRID AIR INTAKE WARMER			
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH			
Transmission			
ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION			
Transmission Equipment			
ALLISON VOCATIONAL PACKAGE 223 -AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS. HS. MH AND TRV			
ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			
PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			
SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			
PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			
SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			
FUEL SENSE 2.0 DISABLED-PERFORMANCE TABLE BASED			
BODY LIGHTING POWER WIRED TO CUSTOMER INTERFACE CONNECTOR WITH SEPARATE STOP/TURN			
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Comply Meet Specifications
	YES	NO	
Transmission Equipment			
(2) CUSTOMER INSTALLED CHELSEA 277 SERIES PTO'S			
PTO MOUNTING, LH AND RH SIDES OF MAIN TRANSMISSION			
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN.			
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED.			
TRANSMISSION PROGNOSTICS - ENABLED 2013			
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK			
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)			
Front Axle and Equipment			
MFS-20-133A 20,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE			
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES OR APROVED EQUAL			
NON-ASBESTOS FRONT BRAKE LINING			
CONMET CAST IRON FRONT BRAKE DRUMS			
FRONT BRAKE DUST SHIELDS			
FRONT OIL SEALS			
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			
STANDARD SPINDLE NUTS FOR ALL AXLES			
HALDEX AUTOMATIC FRONT SLACK ADJUSTERS			
STANDARD KING PIN BUSHINGS			
TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR			
POWER STEERING PUMP			
4 QUART POWER STEERING RESERVOIR			
OIL/AIR POWER STEERING COOLER			
STANDARD CUPS AND CONES (WHEEL BEARINGS) FRONT AND REAR			
MINERAL SAE 80/90 FRONT AXLE LUBE			
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Front Suspension			
20,000# FLAT LEAF FRONT SUSPENSION			
FRONT SHOCK ABSORBERS			
Rear Axle and Equipment			
RT-46-160P 46,000# R-SERIES TANDEM REAR AXLE			
4.89 REAR AXLE RATIO			
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES			
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES			
(1) INTERAXLE LOCK VALVE FOR TANDEM OR TRIDEM DRIVE AXLES			
INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH			
MERITOR 16.5X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			
NON-ASBESTOS REAR BRAKE LINING			
CAM BRAKE AUXILIARY SUPPORT BRACKETS			
CONMET CAST IRON REAR BRAKE DRUMS			
REAR BRAKE DUST SHIELDS			
REAR OIL SEALS			
WABCO TRISTOP-D LONGSTROKE 30/36 2-DRIVE AXLE SPRING PARKING CHAMBERS OR APPROVED EQUAL			
HALDEX AUTOMATIC REAR SLACK ADJUSTERS			
MINERAL SAE 80/90 REAR AXLE LUBE			
Rear Suspension			
HENDRICKSON RT463 @46,000# REAR SUSPENSION OR APPROVED EQUAL			
HENDRICKSON RT/RTE - 6.00" SADDLE OR APPROVED EQUAL			
STANDARD AXLE SEATS IN AXLE CLAMP GRP			
54 INCH AXLE SPACING			
STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS			
FORE/AFT CONTROL RODS			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Brake System			
WABCO 4S/4M ABS OR APPROVED EQUAL			
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			
FIBER BRAID PARKING BRAKE HOSE			
STANDARD BRAKE SYSTEM VALVES			
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER			
BENDIX OIL COALESCING FILTER FOR AIR DRYER OR APPROVED EQUAL			
AIR DRYER MOUNTED INBOARD ON LH RAIL MOUNT PER LINE DRAWING 504400R REV A			
STEEL AIR BRAKE RESERVOIRS			
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET BOTH RAILS OUTBOARD			
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)			
METALLIC AIR MANIFOLD MOUNTED TO BACK OF CAB CROSSMEMBER WITH SIX 1/4 INCH FITTINGS AND 70 PSI PROTECTION VALVE			
Wheelbase & Frame			
6600MM (260 INCH) WHEELBASE			
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI			
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT			
1800MM (71 INCH) REAR FRAME OVERHANG			
FRAME OVERHANG RANGE: 71 INCH TO 80 INCH			
24 INCH INTEGRAL FRONT FRAME EXTENSION			
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 196.54 in			
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 193.54 in			
CALC'D FRAME LENGTH - OVERALL : 400.35			
FRAME HEIGHT TOP FRONT UNLADEN: 43.55 in.			
FRAME HEIGHT TOP FRONT LADEN: 40.0 in.			
FRAME HEIGHT TOP REAR UNLADEN: 43.05 in.			
FRAME HEIGHT TOP REAR LADEN: 40.81 in.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Wheelbase & Frame			
CALCULATED FRAME SPACE LH SIDE : 95.43 in			
CALCULATED FRAME SPACE RH SIDE : 248.03in			
CALC'D SPACE AVAILABLE FOR DECKPLATE: 196.69 in.			
SQUARE END OF FRAME			
STANDARD WEIGHT ENGINE CROSSMEMBER			
STANDARD CROSSMEMBER BACK OF TRANSMISSION			
STANDARD MIDSHIP #1 CROSSMEMBER(S)			
STANDARD REARMOST CROSSMEMBER			
HEAVY DUTY SUSPENSION CROSSMEMBER			
STANDARD WEIGHT REAR SUSPENSION CROSSMEMBER			
Chassis Equipment			
OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203 WEIGHT FRONT -110			
FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS			
GRADE 8 THREADED HEX HEADED FRAME FASTENERS			
EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE			
D15-16004-000 CENTER PUNCH TO MARK CENTERLINE OF REAR SUSPENSION ON FRAME WEB			
Fuel Tanks			
100 GALLON/378 LITER ALUMINUM FUEL TANK -LH			
25 INCH DIAMETER FUEL TANK(S)			
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS			
FUEL TANK(S) FORWARD			
PLAIN STEP FINISH			
FUEL TANK CAP(S)			
DAVCO 245 FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR OR APPROVED EQ			
EQUIFLO INBOARD FUEL SYSTEM			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Fuel Tanks			
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			
FUEL COOLER MOUNTED LEFT HAND IN RAIL MOUNT PER LINE DRAWING 504400R REV A			
Tires			
MICHELIN XZY-3 425/65R22.5 20 PLY RADIAL FRONT TIRES.			
Tires			
MICHELIN X MULTI D 11R22.5 16 PLY RADIAL REAR TIRES (NORTH AMERICAN ONLY)			
Hubs			
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS			
CONMET PRESET PLUS PREMIUM IRON REAR HUBS			
Wheels			
ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS			
ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS			
POLISHED FRONT WHEELS; OUTSIDE ONLY			
POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY			
FRONT WHEEL MOUNTING NUTS			
REAR WHEEL MOUNTING NUTS			
Cab Exterior			
110 INCH BBC STEEL CONVENTIONAL CAB			
PAINTED ALUMINUM CAB SKIRT			
AIR CAB MOUNTS WITH CHECK VALVE			
STAINLESS STEEL SILL PLATES WITH RACEWAY			
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			
FRONT FENDERS			
2 INCH FENDER EXTENSIONS			
LH AND RH EXTERIOR GRAB HANDLES WITH RUBBER INSERTS AND RH INTERIOR GRAB HANDLE MOUNTED TO A POST			
STATIONARY BRIGHT FINISH GRILLE			
CHROME HOOD MOUNTED AIR INTAKE GRILLE			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Cab Exterior			
GALVANEAELED STEEL SEVERE SERVICE CAB			
FIBERGLASS HOOD			
DUAL ROUND AIR HORNS, SINGLE BASE, MOUNTED UNDER CAB			
DUAL ELECTRIC HORNS			
ALL UNITS KEYED THE SAME WITH (3) KEYS, KEY CODE TO BE D540			
REAR LICENSE PLATE MOUNT END OF FRAME			
SINGLE RECTANGULAR H4 HALOGEN HEADLIGHTS WITH BRIGHT BEZELS			
LED MARKER LAMPS			
INTEGRAL STOP/TAIL/BACKUP LIGHTS			
STANDARD FRONT TURN SIGNAL LAMPS			
DUAL WEST COAST STAINLESS STEEL HEATED MIRRORS WITH LH AND RH REMOTE			
DOOR MOUNTED MIRRORS			
102 INCH EQUIPMENT WIDTH			
LH AND RH 8 INCH STAINLESS STEEL CONVEX MIRRORS MOUNTED BELOW PRIMARY MIRRORS			
RH DOWN VIEW MIRROR			
STANDARD SIDE/REAR REFLECTORS			
ELECTRIC DOOR LOCKS, MECHANICAL KEY TUMBLER			
STAINLESS STEEL EXTERIOR SUN VISOR			
17.5X35 INCH TINTED REAR WINDOW			
TINTED DOOR GLASS			
RH AND LH ELECTRIC POWERED WINDOWS			
LOWER RH DOOR WINDOW WITH FRESNEL LENS			
2-PIECE ROPED-IN WINDSHIELD GASKET MOUNTED			
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, MOUNTED UNDER CAB, WITH REMOTE FILL			
Cab Interior			
GRAY VINYL BASE INTERIOR			
BLACK HARD TRIM			
BASE LEFT HAND DOOR TRIM			
BASE RIGHT HAND DOOR TRIM			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Cab Interior			
BLACK MATS WITH SINGLE INSULATION			
NO DASH MOUNTED ASH TRAY, POWER RECEPTACLE IN LIEU OF LIGHTER.			
FORWARD ROOF MOUNTED CONSOLE			
LH AND RH DOOR MAP POCKETS			
(2) COAT HOOKS ON BACKWALL OF CAB			
NO CUP/THERMOS HOLDER			
TWO-TONE CHARCOAL UPPER/COOL GRAY LOWER SOFT TOUCH WING DASH WITH BLACK DRIVER SIDE COSMETIC UNDER DASH COVER			
5 LB. FIRE EXTINGUISHER			
HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT TEMPERATURE CONTROL AND COSMETIC COVER			
HVAC DUCTING WITH FOAM MAIN FRESH AIR FILTER			
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			
STANDARD HEATER PLUMBING			
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR			
RADIATOR MOUNTED AIR CONDITIONER CONDENSER			
BINARY CONTROL, R-134A			
CAB INSULATION			
AUTOMATIC SELF-RESET CIRCUIT BREAKER/FUSES IN DASH POWER DISTRIBUTION BOX AND FUSES IN AUXILIARY POWER DISTRIBUTION BOXES			
DOOR ACTIVATED DOME LIGHT, UNDER DASH LIGHT AND LH AND RH DOOR MOUNTED COURTESY LIGHTS			
LH AND RH ELECTRIC DOOR LOCKS			
(1) 12 VOLT POWER SUPPLY AND (2) USB PORTS MOUNTED IN DASH			
TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Cab Interior			
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT			
BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH 1 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION AND REAR CUSHION TILT			
DUAL DRIVER AND PASSENGER SEAT ARMRESTS			
BLACK MORDURA CLOTH DRIVER SEAT COVER			
BLACK MORDURA CLOTH PASSENGER SEAT COVER			
3 POINT DRIVER AND PASSENGER SEAT BELT RETRACTORS			
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			
4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH SWITCHES			
DRIVER AND PASSENGER INTERIOR SUN VISORS			
Instruments & Controls			
NON-ADJUSTABLE SUSPENDED PEDALS			
ELECTRONIC ACCELERATOR CONTROL			
ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK			
BRIGHT ARGENT FINISH GAUGE BEZELS			
BLACK VINYL DRIVER INSTRUMENT PANEL			
BLACK VINYL CENTER INSTRUMENT PANEL			
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES			
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			
97 DB BACKUP ALARM			
ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Instruments & Controls			
ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED			
HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			
2 INCH ELECTRIC FUEL GAUGE			
ENGINE REMOTE INTERFACE WITH INCREMENT/DECREMENT			
CUSTOMER INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS			
ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR.			
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE.			
2 INCH TRANSMISSION OIL TEMPERATURE GA.			
ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP - PARK BRAKE INTERLOCK FOR CUSTOMER INSTALLED PTO			
ELECTRIC ENGINE OIL PRESSURE GAUGE			
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939			
ROOF/OVERHEAD CONSOLE MOUNTED RADIO			
(4) RADIO SPEAKERS IN CAB			
POWER AND GROUND WIRING FOR CB RADIO IN OVERHEAD CONSOLE			
ROOF /OVERHEAD CONSOLE CB RADIO PROV.			
MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED ANTENNA SYSTEM			
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITH ODOMETER			
STANDARD VEHICLE SPEED SENSOR			
ELECTRONIC 3000 RPM TACHOMETER			
NO VEHICLE PERFORMANCE MONITOR			
IGNITION SWITCH CONTROLLED ENGINE STOP			
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK WESTERN STAR 4700SB or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Instruments & Controls			
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			
CAB/TRAILER MARKER LIGHT SWITCH WITH SEPARATE HEADLIGHT SWITCH			
ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			
MANUAL TURN SIGNAL SWITCH, HEADLAMP HIGH/LOW AND FLASH, WASH/WIPE/INTERMITTENT			
PACIFIC INSIGHT ELECTRONIC FLASHER OR APPROVED EQ.			
Design & Color			
CAB COLOR A: L0006EY WHITE ELITE EY CAB INTERIOR PAINTED SAME AS CAB COLOR BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT.			
PAINT TYPE: ONE SOLID COLOR			
Other Factory Charges			
FEDERAL EMISSIONS: 2016 OBD/2010 EPA/CARB/GHG 17 ESCALATOR			
EXTENDED WARRANTY*****			
TOWING: 2 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$550 CAP FEX APPLIES			

DEVIATION NOTES SHALL BE ATTACHED:

Bidder shall fully explain every variance, exception, and or deviation to the bid specifications.

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment		Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
		YES	NO	
0001	SEWER CLEANING VACUUM:			
GENERAL SPECIFICATIONS SUB FRAME				
The equipment shall be of modular design consisting of vacuum system, water tanks system, debris body and drive system.				
A sub frame shall be fabricated to the exact dimensions of the truck chassis for mounting of modular components.				
All components of the module shall attach to the sub frame and not directly to the chassis.				
Sub frame shall be designed to ASME standards for maximum applied loads, chassis frame movement and even distribution of weight to the chassis and suspension.				
Sub frame shall be continuous and uninterrupted from back of cab to end of frame.				
The body shall be cylindrical having a minimum usable liquid capacity of 15 cubic yards.				
The body shall be capable of high dump height of 60". Dump height of 60" must be achieved without the use of scissor lift mechanism.				
The debris storage body shall be constructed with a minimum 1/4" corrosion and abrasion resistant Ex-Ten steel.				
The debris storage body shall have a minimum yield point of 50,000 PSI and a minimum tensile strength of 70,000 PSI.				
Body shall have a rear door that is hinged at the top and is equipped with a replaceable neoprene type seal. Adjustable for periodic compensation of door seal wear.				
Dual outward mounted rear door props shall be included as standard to prevent operator from entering door swing path when engaging rear door prop.				
For optimal particulate separation, vacuum shall be drawn from separate ports in the top of the debris body.				
Body shall be dumped by raising the body to a 50 degree angle utilizing a forward mounted, double acting hydraulic dump cylinder.				
Dump controls, accessory controls, e-stop control shall be provided at a central curb side location directly behind the cab of the truck.				
FOR STABILITY AND SAFETY, DUMPING MUST BE ACCOMPLISHED WHILE THE PIVOT POINT OF THE BODY REMAIN FIXED TO THE SUBFRAME.				

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Industrial style rear debris body door shall be flat, and shall open and close hydraulically by cylinders mounted at the top of the body. Door shall open 50 degrees from the fully closed position; Door, shall be unlocked, opened, closed, and locked by a failsafe hydraulically activated sequential positive locking system, cam operated by a single hydraulic cylinder, with all controls located behind truck cab, forward of the debris body, so operator is not subject to sewage when dumping			
Debris body shall have a body flush out system with a fan-type spray nozzle located in the front wall of-the debris body to aid in the flushing of heavy debris. The nozzle shall also utilize (2) spray nozzles to flush the front most area of the debris body. System must produce a flow of 80GPM. Control valve shall be on the curb side of the unit.			
Body shall have a float type automatic shut-off system protecting the fan system with (2) 10" stainless steel shut-off balls located in the debris body. Each float ball housing shall be within a non-corrosive slide-out screen assembly and be accessed without the use of tools.			
The debris body shall be equipped with a rear door drain to drain off excess liquids while retaining solids and shall Include a manually operated 6" knife valve with cam-lock coupler and 25' of lay flat hose having camlock quick connects			
The rear door drain off will have flushout coupling and hose assembly for cleaning of rear door port by use of the handgun outlet.			
(4) Dual vertical (cyclone) centrifugal separators shall be installed in-line between the debris body and the air mover, (2) per side for each debris body discharge port. Each dual separator shall include large fallout chamber cleanout door.			
For safety, a minimum of (5) vacuum tubes shall be stored on curbside storage racks to minimize operator exposure to traffic side of unit. Shall include quick release retainer handles (no bungees or clamps).			
A curb-side, folding 3-pipe rack shall be provided, constructed of steel tubing, spring assisted. Shall include quick release retainer handles (no bungees or clamps).			
A rear door mounted folding 2-pipe rack shall be provided, constructed of steel tubing, spring assisted. Shall Include quick release retainer handles (no bungees or clamps).			
(2) Pipe Storage Racks Curbside waist level and (2) on rear door with quick releases.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
A splash shield shall be mounted around the lower 60% of door opening to direct liquid and debris away from the chassis. Shield shall be minimum 10" deep bolted assembly with no openings.			
A lubrication manifold system shall be provided to allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.			
A 10" valve with 2" vent to atmosphere, electrically activated, air operated valve debris body vacuum relief system shall be located in the inlet of the vacuum system to allow the venting of the tank and relieve vacuum at the debris intake hose.			
A debris inlet deflector distributing load evenly in debris body shall be included.			
WATER TANKS			
The water tanks shall be manufactured from a non-corrosive material to prevent rust yet still provide for maximum strength.			
The water tank material shall require no internal coating and shall be repairable if patching is required.			
The water tanks shall be easily removed from the sub frame to provide complete access to the truck chassis for maintenance purposes.			
The water tanks shall be adequately vented and connected to provide complete filling.			
The water tanks shall be totally separate from the debris tanks and provide no structural support.			
The water tanks shall share no common walls with the debris tanks to prevent corrosion.			
The water tanks shall come equipped with an anti-siphon device and 25' of hydrant fill hose and fittings.			
The water tanks shall carry a 10 year warranty against corrosion or cracking.			
All water tanks shall be fully baffled to form a maximum compartment storage of 150 gallons for each compartment, the City has determined that for the stability of the vehicle when turning and stopping and for safety of personnel that systems baffled at 150 maximum gallon compartments are preferred. Exceptions of requirement shall be explained in detail accompanied with detailed engineering drawings.			
The water tank shall be located for the lowest possible center of gravity while providing 100% gravity flooded intakes to water pump.			
Fresh water shall enter the tanks through an in line 6" air gap, all aluminum covered anti-siphon device.			
Water level sight tubes of non-yellowing plastic shall be installed on both tanks.			
The sides of these water tanks shall not extend more than 48" out from the centerline of the truck chassis.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
A fresh water drain system shall be provided to completely drain the fresh water system from one location utilizing the 3" Y-strainer on the pump.			
A minimum 6" connection between tanks shall be provided.			
For stability safety, the water tanks shall not elevate with debris body during dump cycle.			
An air Purge system utilizing the chassis air system shall be provided to assist displacing of residual water out of the high-pressure water system. System shall utilize the truck chassis air compressor to-fill a 13-gallon auxiliary air storage chamber with pressure gauge and pressure protection valves to isolate the holding tank from the chassis compressor. System shall be equipped with ball valve and all necessary high pressure pipings hoses, couplings and controls.			
A 3 in-line "Y" trap strainer shall be located at inlet of water tank fill air-gap.			
A 3 in-line "Y" trap Monel stainless steel strainer shall be located between the water cells and water pump.			
A 3" Gate Valve shall be provided at water pump.			
Water tank must be a certified metered capacity of 1500 gallons. Certification shall be necessary upon delivery.			
Water tanks shall be constructed of 1/8" aluminum with baffled compartments maximum 150 gallons each.			
Liquid Float Level Indicator shall be provided.			
VACUUM/VACUUM DRIVE SYSTEM			
Vacuum shall be provided by compressing air within a single stage 38" diameter centrifugal fan.			
Compressor fan constructed of non-corrosive material.			
Centrifugal compressor fan shall be constructed of non-corrosive, hardened chrome blades.			
Centrifugal compressor shall be warranted against corrosion for five years.			
The outer housing shall be constructed of 1/4" spun steel.			
Compressor housing shall be equipped with a drain not exceeding 2" diameter.			
Complete compressor and housing assembly shall be warranted against materials and workmanship for five years.			
Transfer case shall be activated by air via a one touch control located in cab with animated confirmation on screen.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
The compressor controls will have a speed selection switch at the operator station to control compressor speed; manual levers on the hydrostatic pump to control compressor speed will not be accepted.			
The centrifugal compressor should be driven direct through a helical gear type step-up transmission drive with a step-up ratio 2 to 1.			
Hydraulic shut off valves shall be provided at the suction, return and filter lines to permit servicing of the hydraulic system:			
The drive shaft shall be supported via ball bearings and gears.			
Compressor shall be driven from a closed loop hydrostatic drive system utilizing available chassis power via split-shaft transfer case. The transfer case shall drive a variable displacement hydrostatic pump to energize a closed loop.			
The pump shall be mounted directly to the split shift transfer case. The pump will have a B10 life Rating of 10.000 hrs. continuous duty			
The hydraulic motor powering the compressor shall be a bent axis, bi-directional motor. Motor speed shall not exceed 2.500 RPM.			
The hydrostatic drive system shall utilize electronic soft start speed control to manage ramping speed.			
The control system shall provide a mode selection switch to control the compression drive in low vacuum combination mode and full vacuum settings.			
The gear drive should attach directly to the rotor shaft without the use of multiple stage V-belts or jack shafts			
The gears and bearings shall be lubricates with splash lubrication system, requiring no manual greasing.			
The drive system shall not utilize pillow block bearings that require excessive daily greasing.			
Fan shall draw air from two (2) separate ports in the debris body.			
Hydraulic shut off valves shall be provided at the suction, return and filter lines to permit servicing of the hydraulic system.			
VACUUM BOOM SYSTEM			
Vacuum hose shall be designed for front operation with hose mounted and stored at front mounted work station. Front mounted location is required for ease of positioning vacuum hose as well as minimizing need for operator to swing hose into traffic.			
All connections between debris body and vacuum system will be of the self-adjusting pressure fitting type.			
Vacuum hose will remain stationary and not rise with debris body.			
Upper debris tube shall consist of an anchored steel tube and elbow.			
A sub-frame mounted cab guard shall be mounted behind cab with boom rest cradle.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
All vacuum pipes shall be connected to vacuum pick up tube and extension pipes by adjustable over-center quick clamps to join the aluminum flanges on pipes.			
One (1) quick clamp for each pipe supplied shall be provided.			
Boom pedestal shall be directly mounted to module sub frame.			
Boom support used for travel mode shall not interfere with access or require removal to tilt hood forward.			
A control station shall be equipped with a control joystick for all directions as well as a safety emergency shut-down button, which shall automatically eliminate power to boom.			
The vacuum boom shall have a heavy-duty flexible hose assembly joining the transition pipe to the debris body, and a 70-degree elbow and 5-1/2 heavy duty hose at the suction end of the boom.			
Boom shall rotate 180 degrees and shall be operated by an electric over hydraulic system. Lift and swing movements shall be actuated by hydraulic cylinders.			
The horizontal inner steel vacuum tube and inner box beam boom section shall telescope (tube within tube, box beam within box beam) and retract a minimum of 10' without affecting the vertical position of the pick-up tubes, and shall be located at the front work station in its retracted position, providing 324" maximum reach off the longitudinal axis of unit.			
Boom shall be fully controlled by a remote push button pendant control station with 25 ft. cable. Controls to include up / down, left / right, in / out boom functions, vacuum relief, e-stop and main power switch.			
A joystick for hydraulic control of the boom shall be installed on hose reel front panel.			
A grate lifting hook shall be installed on the boom.			
A removable 4" diameter storage "Post" to stabilize the lower boom hose during transport. Storage device shall not interfere with raising hood.			
A cordless remote boom control system equipped to activate boom functions, throttle, water pump on/off, hose reel in/out, hose reel speed, vacuum relief on/off and emergency disengagement e-stop shall be provided.			
A detailed engineering drawing must be supplied showing the relationship of the hose reel in relation with the vacuum boom range of motion. Drawing shall show module mounted on chassis, full arc of vacuum hose both retracted and extended, full rotation of arc for hose reel in the extended position and dimension all arc lengths of vacuum boom retracted and extended. Drawing shall highlight intersection areas whereby combination cleaning is possible (within full arc on telescoping boom system).			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
WATER PUMP AND DRIVE			
For most efficient use of horsepower and reduced fuel consumption, high pressure rodder pump shall be hydraulically driven via (2) variable displacement pumps			
Hydraulic powered rodder pump via (2) variable displacement hydraulic pumps utilizing (2) 10-bolt PTO's.			
High pressure water pump shall be rated capable of continuous delivery of 80 GPM at 2500 PSI (submit manufacturer support documentation).			
High-pressure water (rodder) pump system shall be completely controlled through the range with use of the MultiFlow Control and throttle located on the control panel.			
Digital flow meter shall be displayed in front LCD display. Flow meter shall be capable of displaying system flow in all pump operating modes. In addition, a low water alarm shall be provided.			
Water pump speed to remain fully adjustable via an independent operator input regardless of the selected vacuum drive speed.			
Variable flow systems routing water back-to-tank are not considered equal due to additional wear, horsepower and fuel consumption. Any deviation from this drive requirement should have full explanation of horsepower consumption.			
Water (rodder) pump shall include smooth and pulsation operation mode feature without altering pump flow.			
When required to assist nozzle breaking through obstructions, water pump "pulsation mode" shall provide a forward-acting nozzle surge. Pulsation surge wave shall allow nozzle to punch forward 2" to 18" depending on flow dynamics and length of hose in sewer pipe.			
Explanation of forward-acting pulsation method shall be submitted with bid or explained below. Systems that require the use of air induction into the water pump shall not be accepted.			
Water pump location shall provide a flooded gravity suction inlet to eliminate potential cavitations damage.			
An oil to water heat exchanger will be provided in the water system to cool all hydraulic fluids on the unit. State horsepower requirement to operate hydraulics at full speed:			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
The water pump shall provide precise 0-80 GPM controlled flow at variable pressure up to 2500 PSI.			
A hydro-pneumatic nitrogen charged accumulator system shall be provided with all control valves, piping and hoses for either continuous flow or jackhammer rodding. Accumulator shall be a 2.5 gallon capacity and 1000 to 2500 PSI pressure rating.			
Two (2) 1/2" high pressure ball valves shall be provided for draining the water pump and flushing sediment from the bottom of the pump.			
A nozzle rack accommodating (3) nozzles shall be provided in curbside toolbox. The nozzles shall be labeled on storage rack for pipe size/flow and application.			
System shall be relieved to protect operator.			
Handgun shall be supplied that allows for changing of flow pattern from a fine mist to a steady stream.			
Handgun shall come equipped with quick connect couplers.			
An additional 1" water relief valve shall be provided.			
A mid-ship quick disconnect handgun couplers shall be provided.			
A water pump hour meter shall be provided.			
Hydro-Excavation Package-Includes Lances, Nozzles, Storage tray, and Vacuum Tubes, Water System Shall allow precise variable flow control range of 0 -22 GPM at 2,500 psi with digital flow meter in clear view of adjustment control, mid-ship mounted retractable hose reel.			
HOSE REEL			
Hose reel assembly shall be direct frame mounted.			
Hose reel assembly shall be mounted on an independent frame that can be removed from brackets attached permanently to front of main truck frame members.			
Reel will be manufactured out of 1/4" spun steel for added structural strength and shall require no internal or external reinforcements that could damage rodder hose.			
Hose reel shall be driven by adjustable gear reduction chain and sprocket assembly.			
Hose reel shall operate at full rotational speed while chassis engine is at idle.			
Hydraulic Telescoping Rotating Hose Reel - 800' capacity of 1" hose shall be provided.			
The front mounted hose reel shall telescope 15" forward down centerline of truck.			
Entire reel assembly shall rotate 270 degrees on a large diameter ball bearing.			
Hose reel shall include a dual locking device to positively lock reel in any position across operating range.			
The hose reel shall rotate about the reel assembly centerline so the reel shall never extend beyond the truck width.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
Controls shall accessible on both sides of the hose reel via a mounting station for the belly pack wireless remote control, allowing operator to work at either side of unit for safety purposes.			
700' x 1" Piranha Sewer Hose / 2500 Psi shall be provided			
An automatic hose level wind scroll device shall be supplied. An air-cylinder actuated pinch-roller shall exert downward pressure across full width of reel to retain hose on reel when encountering nozzle blockages.			
An air-cylinder actuated pinch-roller shall exert downward pressure across full width of reel to retain hose on reel when encountering nozzle blockages. Pinch roller must be activated via a one touch, backlit button with lighted feedback on the control panel.			
A hose footage counter shall be supplied to indicate the amount of hose travel within pipe.			
Digital footage counter displaying footage values shall be provided. System must be capable of resetting value to ensure operator safety .Accuracy To Within One Percent Of Actual Distance, Large Easy To Read LCD Screen located on the 7" front control panel screen.			
10' Leader Hose			
WASHDOWN EQUIPMENT			
A handgun with 1/2" x 35' hose shall be provided at mid-ship to which allow the operator to deliver water to area served by pick up hose and to the inside of the debris body for clean out.			
Hand sprayer with adjustable spray-pattern to be provided with trigger-style gun.			
IN CAB CONTROLS			
All In cab controls are to be located on a single in cab control screen. This shall be a 7" full color display screen. It shall utilize 12 back lit tactile (glove ready) buttons on the sides of the screen as well as feature touch screen operation.			
All Back up camera Features shall be displayed on the In Cab Control Screen.			
All standard arrow boards or arrow stick shall be controlled via an on screen controller			
All safety strobes and beacons shall be controlled via on screen controller			
Jet or Combo mode shall be activated via one touch button on the control panel. Control screen must display an on screen representation of the chassis drive system and must animate to show as drive systems activate or deactivate.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked “NO”) each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
FRONT OPERATING STATION AND CONTROLS			
Primary operator station will be located at front of truck on right curb side of hose reel.			
All operator controls should be located on a single control panel that can be rotated on a 90 degree arc for an operator customizable location. The control panel shall also feature the ability to raise and lower through a range of not less than 8 to accommodate operators of different height.			
Station shall include a 7” Touch enabled display screen with corresponding tactile buttons for reading critical machine data including (hose footage, hose reel speed settings, water pressure, water flow. Air mover information, chassis data, mode indicator, chassis fuel level, and diagnostic controls), Back lit button keypads with, laser etched function icons, and 4 light feedback indicators. These buttons shall operate the following functions: All setup functions (remote/panel selector, work lights, hose reel extend/retract, hose reel lock, and pinch roller activation) and Vacuum functions. Additionally, there will be separate sealed rocker switches for Water Pump on/off and Throttle up/down. There shall be a multi flow control dial for controlling the full range of the water pump.			
There shall be a hose reel joystick to control the pay in and pay out of the hose reel, this joystick shall offer speed control that increases the further the joystick is moved in either direction. There shall be an additional hose reel speed dial for setting specific speed ranges of the reel. There shall be a boom joystick that controls all function of the boom including up/down, left/right, and extend/retract. There shall be a E-Stop button to bring all machine functions to a stop and the chassis engine to an idle.			
Tachometer and hour meter for chassis engine provided at control station shall be provided.			
Tachometer and hour meter for Centrifugal compressor at control station shall be provided.			
All Hydraulic Functions - Color Coded, Sealed Electric/Hydraulic NEMA 4 switches shall be provided.			
Fan Engagement/Vacuum Relief - Sealed Electric/Air NEMA 4 Switch shall be provided.			
Water pump hour meter shall be provided.			
PTO hour meter shall be provided.			
Front control screen shall display a water level indicator to show level of water through the range of the tank			
ELECTRICAL & SAFETY LIGHTING			
The entire system shall be vapor sealed to eliminate moisture damage. "Nema-4" type or equal.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
IQAN Electronic Package: Chassis Tachometer, Blower Tachometer, Operating Mode, PTO Mode, Hydraulic Oil Temperature shutdown, Hose Reel Speed, Water Pressure, and E-Stop shall be included- E-Stop activation must turn off rodder pump, shutdown Hydraulics, set chassis throttle to idle, stop vacuum E-stop must be located at each operator interface; including hose reel controls, pendant control, wireless control (if equipped)Diagnostics for basic machine functions and all inputs and outputs shall be accessible via the display. Advanced diagnostics, updates, data retrieval, and remote diagnostics will be available via PC or Bluetooth connection.			
Logs, reports, and hour meters will be accessible via the display.			
All electrical connections shall be void of exposed wires or terminals nor should they be painted. Paint process shall be completed prior to installation of wiring.			
All wiring shall be color-coded and encased in conduit to scaled terminal boxes with circuit breakers.			
All other lights required by State and Federal Laws.			
One-piece directional 8-LED light arrow stick (Signal Master or equal) shall be mounted on rear door of debris body, with controls mounted in cab.			
Handheld, Pistol Grip LED Spot light with rechargeable Lithium Ion battery.			
L.E.D. Lights, Clearance, Back-Up, Stop, Tail & Turn shall be provided.			
Two LED work lights mounted to boom			
14 flashing light package. Federal Signal brand or approved equivalent			
SAFETY EQUIPMENT			
E-stop shall be located at each operator interface location. Standard locations to include: front hose reel, mid-ship curbside dump controls, & wireless controller (if equipped.)			
Electrical system controls shall be configured to allow for single point operation only. Upon engagement of controls at specified locations, additional controls shall be disabled.			
Electrical system must enable self-check to ensure all switches are in home position prior to critical function enablement. System must "lock out" controls when switch is not in home position.			
(1) Emergency Flare Kit.			
(1) 5# Fire Extinguisher.			

MINIMUM SPECIFICATIONS: 2021 OR NEWER COMBINATION SEWER CLEANING VACUUM TRUCK VACTOR 2100i or Approved Equal As a minimum (any non-compliance must be marked "NO") each item shall be equipped with, and all components bid must be compatible and upon installation create a fully functional piece of equipment.	Comply Meet Specifications		Specify any Deviation from listed Specification (size, dimensions, color, brand, etc.)
	YES	NO	
7" dash monitor, 1-camera system shall be provided. A rear back-up color camera with 130 deg viewing angle shall be provided. Camera to have automatic activation when the unit is switched to reverse.			
Digital water pressure shall be displayed in front LCD display. Pressure gauge shall be capable of displaying water system pressure in all pump operating modes.			
SEWER TOOLS AND ACCESSORIES			
(1) 30 Sand Nozzle			
(1) 30 deg. Sanitary Nozzle			
(1) 15 deg. Penetrator Nozzle			
(1) 1" Small finned nozzle pipe skid			
(1) Enz 400101 A Bulldog Nozzle or approved equal			
VACUUM TOOLS AND ACCESSORIES			
The basic vacuum tube package shall include the following:			
(1) 8" x 3' aluminum pipe			
(2) 8" x 5' aluminum pipe			
(1) 8" x 6'6" catch basin tube			
(4) 8" quick clamps			
CHASSIS EQUIPMENT AND STORAGE			
Two (2) front tow hooks shall be provided.			
Two (2) rear tow hooks shall be provided.			
A safety cone storage rack shall be provided to contain safety cones in the inverted position.			
Aluminum Toolbox - Behind Cab			
(1) 60" x 20" x 12" Aluminum Toolbox Mounted street side shall be provided.			
(1) Aluminum Toolbox with nozzle storage and dump controls mounted curbside shall be provided			
(2) 18 In. x 16 In. x 12 In. Aluminum Toolbox - Front Bumper shall be provided.			
MODULE FINISH			
Painting of the module shall be with a DuPont Imron Elite Polyurethane Enamel Top Coat. Application is to be a wet top coat applied to a dried and sanded primer base or approved equal.			
CHASSIS SPECIFICATION			
The unit shall be a new model. No discontinued models will be accepted			
ADDITIONAL PARTS:			
(1) 8"-x 3'-0" Higbee C/B Nozzle Assembly			
(1) 8" Quick Clamp Assembly			
(1) 1" x 12" Finned Pipe Weld - Large			

DEVIATION NOTES SHALL BE ATTACHED:

Bidder shall fully explain every variance, exception, and or deviation to the bid specifications. Additional sheets/lines may be added if required.

SUMMARY OF STANDRD FEATURES:

- 24" x 26" x 69" Curb Side Aluminum Toolbox
- Aluminum Fenders •Mud Flaps
- Electric/Hydraulic Four Way Boom
- Color Coded Sealed Electrical System
- Remote Pendant Control w/35' Cord
- Intuitouch Electronic Package
- Double Acting Dump Hoist Cylinder
- Handgun Assembly
- 3" Y-Strainer at Water Pump Inlet
- Ex-Ten Steel Cylindrical Debris Tank
- Flexible Hose Guide
- 30 Deg. Sand Nozzle w/Carbide Inserts
- 30 Deg. Sanitary Nozzle w/Carbide Inserts
- IS Deg. Penetrator Nozzle w/Carbide Inserts
- Nozzle Storage Rack
- Vacuum Tube Storage: Curbside (2) Pipe, Rear Door (2) Pipe
- 1" Nozzle
- 10'Leader Hose
- Flat Rear Door w/Hydraulic Locks and Door Power-up/Down, Open/Close Feature
- Dual 10" Stainless Steel Float Shut Off System/Rear Mounted •Debris Body Vacuum Relief System
- Debris Deflector Plate •60" Dump Height
- Water Sight Gauge DS/PS
- Liquid Float Level Indicator
- Boom Transport Post Storage
- 3" Y-S trainer® Water Pump w/3" Drain Valve
- Performance Package: (Hyd Variable Flow, Dual PTO's. Dual Hyd. Pumps)
- 1" Water Relief Valve for Vactor Water Pump
- Midship Handgun Coupling
- Side Mounted Water Pump
- Hose Wind Guide (Dual Roller)
- Hose Reel Manual Hyd. Extend/Retract
- Hose Reel Chain Cover (Full)
- Tachometer/Chassis Engine W/Hourmeter
- Tachometer & Hourmeter
- Circuit Breakers
- LED Lights. Clearance, Back-Up, Stop, Tail & Turn
- Tow Hooks, Front and Rear
- Electronic Back-Up Alarm
- Hydraulic Tank Shutoff Valves
- 8" Vacuum Pipe Package
- Emergency Flare Kit
- Fire Extinguisher 5 Lbs.
- Low Water Alarm with Water Pump Flow Indicator
- Front Joystick Boom Control
- Rodder System Accumulator- Jack Hammer on/off control w/ manual valve
- Digital Hose Footage Counter
- Water Pump Hour Meter •PTO Hour Meter
- Camera System, Rear Only
- Hydraulic Oil Temp Alarm
- Digital Water Pressure Gauge

ADDITIONAL FEATURES:

- 180 Degree Rotation, 10 Ft Hydraulic Telescoping Boom, Front Loading 8" Suction Hose
- 80 GPM Variable Flow Water System
- 2500 PSI Water Pressure
- 1" x 600' Piranha Sewer Hose, 2500 PSI
- Hydraulic Extending/Rotating 15" Hose Reel (1" x 800') Capacity
- Module Paint, Dupont Imron Elite - Sanded Primer Base
- Debris Body Flush Out System
- 6" Knife Valve w/Cam-Loc, Rear Door, 3:00 Position
- 6" Knife Valve w/Cam-Loc, Rear Door, 6:00 Position
- Centrifugal Separators
- Folding Pipe Rack, Curbside, 8" Pipe
- Fixed Rear Door Pipe Rack, 8" Pipe
- Rear Door Splash Shield
- Lube Manifold
- Plastic Lube Chart •Air Purge
- Wireless Controls, including hose reel controls
- Rotatable Boom Inlet Hose, Telescoping Boom
- Hydro Excavation Kit - Includes Lances, Nozzles, Storage Tray, and Vacuum Tubes
- Fan Flushout System
- Rodder Hose Pinch Roller
- High Pressured Hose Reel
- Front Hose Reel Storage
- Lateral Cleaning Kit w/150' Hose and Nozzle, 25 GPM/2000 PSI
- Rodder Pump Drain Valves
- Rear Directional Control, Signal Master LED Arrow Board, 10 Lights
- Waterproof, Rechargeable, Wireless, Handheld, LED Spot Light w/12V Charger and Plug
- Strobe Light, LED, Rear, Federal Signal, Amber
- 10 Lighting Package, 10 Federal Signal Strobe Lights, LED
- Worklights (2), LED, Telescoping Boom
- Toolbox, Behind Cab
- (4) Long Handle Tool Storage Locations Behind Cab
- Safety Cone Storage Rack - Drop in Style
- Water Cooler Storage Rack
- Digital Water Level Indicator
- (2) 8" x 5" Aluminum Vacuum Tube
- (2) 8" Quick Clamp Assembly
- Enz 1/2" Rotodrill Nozzle
- Enz 3/4" Rotodrill Nozzle
- Enz 1" Rotodrill Nozzle
- Warthog W Rotating Nozzle ' (1) Warthog 1" Rotating Nozzle
- **Vector Standard Manual and USB Version -1 + Dealer**

**BIDDER'S ORGANIZATION
BIDDER IS:**

AN INDIVIDUAL

Individual's Name: _____

Doing business as: _____

Address: _____

Telephone No.: _____ Fax No.: _____

A PARTNERSHIP

Firm Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A LIMITED LIABILITY COMPANY

Company Name: _____

Address: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

A CORPORATION

IF BID IS BY A CORPORATION, THE CORPORATE RESOLUTION SHOULD BE SUBMITTED WITH BID.

Corporation Name: _____

Address: _____

State of Incorporation: _____

Name of person authorized to sign: _____

Title: _____

Telephone No.: _____ Fax No.: _____

IF BID IS BY A JOINT VENTURE, ALL PARTIES TO THE BID SHOULD COMPLETE THIS FORM.

CORPORATE RESOLUTION

A meeting of the Board of Directors of _____ a _____ corporation organized under the laws of the State of _____ and _____ domiciled in _____ was held this _____ day of _____, 20__ and was attended by a quorum of the members of the Board of Directors.

The following resolution was offered, duly seconded and after discussion was unanimously adopted by said quorum:

BE IT RESOLVED, that _____ is hereby authorized to submit proposals and execute agreements on behalf of this corporation with the City of Baton Rouge, and Parish of East Baton Rouge.

BE IT FURTHER RESOLVED, that said authorization and appointment shall remain in full force and effect, unless revoked by resolution of this Board of Directors and that said revocation will not take effect until the Purchasing Director of the Parish of East Baton Rouge, shall have been furnished a copy of said resolution, duly certified.

I, _____, hereby certify that I am the Secretary of _____, a corporation created under the laws of the State of _____ domiciled in _____; that the foregoing is a true and exact copy of a resolution adopted by a quorum of the Board of Directors of said corporation at a meeting legally called and held on the _____ day of _____, 20__, as said resolution appears of record in the Official Minutes of the Board of Directors in my possession.

This _____ day of _____, 20__.

SECRETARY